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On page 7, please replace paragraph 15 as follows:

Additionally, in a wide-area detection network and system of the present invention, a plurality of such detection instruments are widely distributed in a wide-ranging geographic region, such as a city, county, or even state or nation-wide, with each unit configured to continuously monitor and automatically communicate with a central data collection, analysis, and monitoring system ("CENTRAL MONITORING SYSTEM") in real time. The central monitoring system uses the data obtained from the entire network of detection instruments to detect, identify and/or track and monitor emissions, e.g. radiation sources, or other sources of the application-specific detection, i.e. application-specific source (e.g. a chemical source) present in or moving through the region. It is notable that the locator device utilized in the present invention is preferably a coordinate locator based on an absolute coordinate system for location identification, such as the latitude, longitude and altitude coordinate system utilized by GPS systems to plot GPS coordinates. Another example includes coordinate locator systems employing the triangulation method. Furthermore, locations are not determined by or measured in relation to (distal, spatial, angular, or otherwise) the central monitoring system, since the central monitoring system need not be located within the region of interest.

On page 9, please replace paragraph 18 as follows:

Figure 2 shows in detail the various components of the radiation sensor module 101 of Figure 1. The sensor module 101 includes an interface board 201 serving to mount and interconnect the various components of the sensor module 101 with each other, including a radiation detector/sensor 202 such as a solid state gamma-ray and/or neutron detector, and a microprocessor 206, among others. The detector is preferably a semiconductor material of a